[illegible]

[illegible]

[illegible]

[illegible] — [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1.2.1 [illegible]

1.2.1.1 [illegible]

1.2.1.2 [illegible]

(1) [illegible]

[illegible]

(2)

1.2.2

nm

kt nm

nm

[illegible]

[illegible] nm [illegible]

[illegible] nm [illegible] nm [illegible], [illegible] ft [illegible]

[illegible]

[illegible] nm [illegible]

[illegible]

[illegible]

[illegible], [illegible]

[illegible]

[illegible]

[illegible] − [illegible]

[illegible]

[illegible]

2.3.1 [illegible]

2.3.2 [illegible]

[illegible] .[illegible] km [illegible]

[illegible]

[illegible]

2.6.1 [illegible]

[illegible] — [illegible]

[illegible] — [illegible]

(10 3 26)

2.6.2

(10 3 26)

2.6.3

kg mm

kg mm

2.6.4

2.7.1

2.7.2

(1)

(2)

①

②

2.7.3

(1)

−

(2)

−

(3)

−

(4) [illegible]
[illegible]kt[illegible]
[illegible]

2.7.4 [illegible]

(1) [illegible]km[illegible]
[illegible]

13：00 [illegible] kt [illegible] kt [illegible]
[illegible] kt [illegible] km [illegible]
[illegible], [illegible] ft [illegible]
[illegible], [illegible] ft [illegible]
[illegible] ℃ [illegible] − [illegible] ℃ [illegible] . [illegible] inHg

14：00 [illegible] kt [illegible] km [illegible]
[illegible], [illegible] ft [illegible]
[illegible], [illegible] ft [illegible]
[illegible] ℃ [illegible] − [illegible] ℃ [illegible] . [illegible] inHg

15：00 [illegible] kt [illegible] km [illegible]
[illegible]
[illegible], [illegible] ft [illegible]
[illegible], [illegible] ft [illegible]
[illegible] ℃ [illegible] − [illegible] ℃ [illegible] . [illegible] inHg

(2) [illegible]km[illegible]
[illegible]

13：00 [illegible] kt [illegible] km [illegible]
[illegible]
[illegible] ft [illegible], [illegible] ft [illegible]
[illegible], [illegible] ft [illegible]
[illegible] ℃ [illegible] ℃ [illegible] . [illegible] inHg

13：19 [illegible] kt [illegible], [illegible]
[illegible]
[illegible] ft [illegible], [illegible] ft [illegible]
[illegible], [illegible] ft [illegible] ℃ [illegible] ℃ [illegible]
[illegible] . [illegible] inHg [illegible]

14：00 [illegible] kt [illegible] km [illegible]
[illegible]

□ □□□ □□ □□□ft□□□□ □□ □,□□□ft□
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2.7.5 □□□□□□

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2.8.1 □□□□□□□

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2.8.2 □□□□□□□

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□□□.□km□□□□□□□□□□□

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□□□

[illegible]

[illegible]

[illegible]

[illegible].[illegible]

2.10.1 [illegible]

[illegible].[illegible]km[illegible]

(1) [illegible]

(2) [illegible]“[illegible]”[illegible]

(3) [illegible]

(4) [illegible]

(5) mm

(6)

.

2.10.2

(Electronic pulse-demand Delivery System) 2.8.2

, ft

, ft

2.10.3

NE

NE

NE

NE

−

nm

,

ft

2.11.1

[illegible]

(1) [illegible]

(2) [illegible] NE [illegible]

(3) [illegible], [illegible] ft [illegible] km/h [illegible]

2.11.2 [illegible]

[illegible]

[illegible]

[illegible]

[illegible].[illegible]

3.1.1 [illegible]

3.1.2 [illegible]

3.1.3 [illegible]

[illegible]

3.1.4 [illegible]

3.1.5 [illegible] nm [illegible]

[illegible] nm [illegible]

3.1.6 [illegible] 3.1.3 [illegible]

3.1.7 [illegible]

[illegible] − [illegible]

3.1.8 [illegible] − [illegible], [illegible] ft [illegible] − [illegible], [illegible] ft [illegible]

3.1.9 [illegible]

(1) [illegible]

(2) [illegible]

(1) (2)

3.1.10 2.10.1

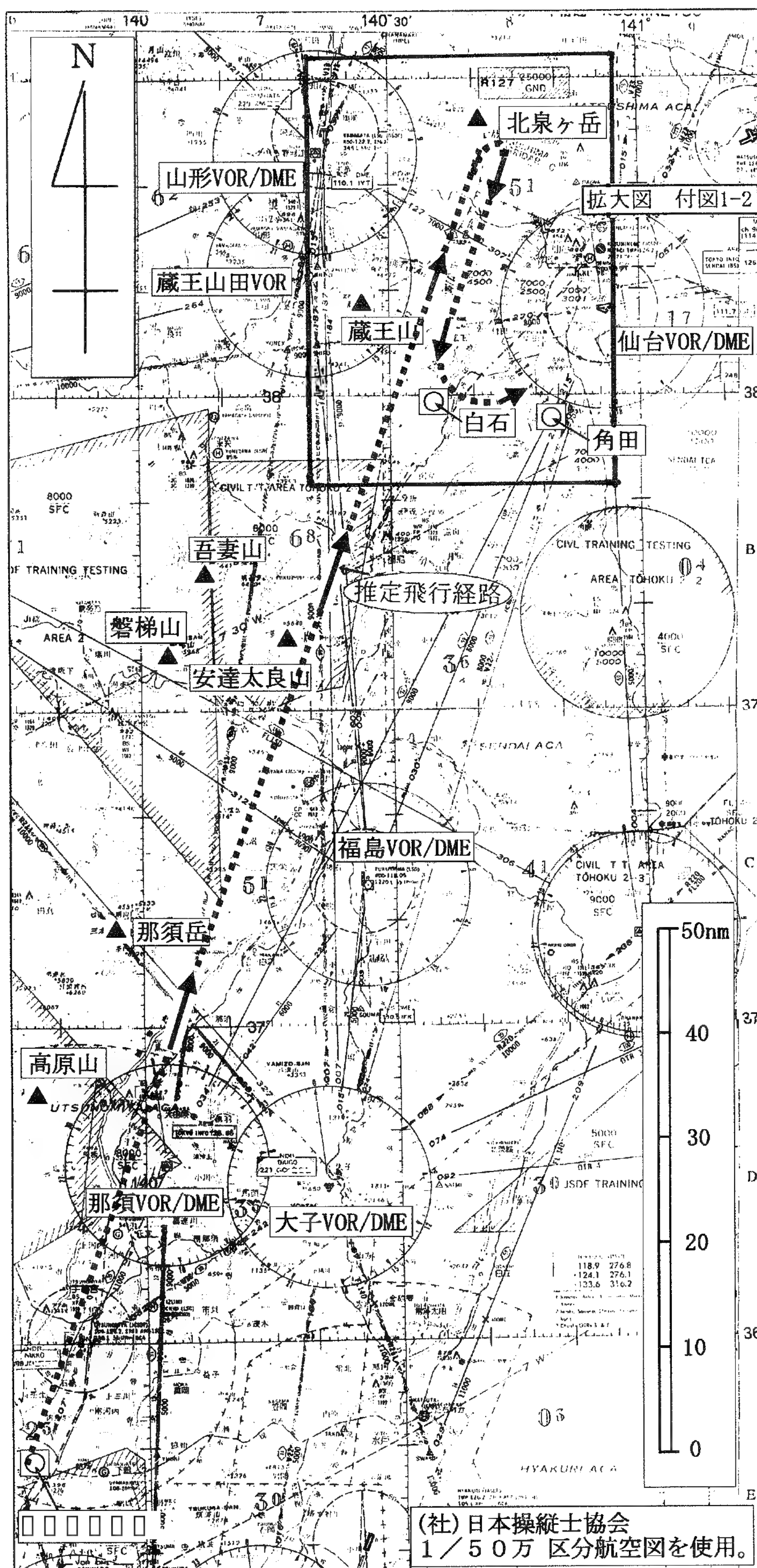
3.1.11 3.1.8

2.11.1

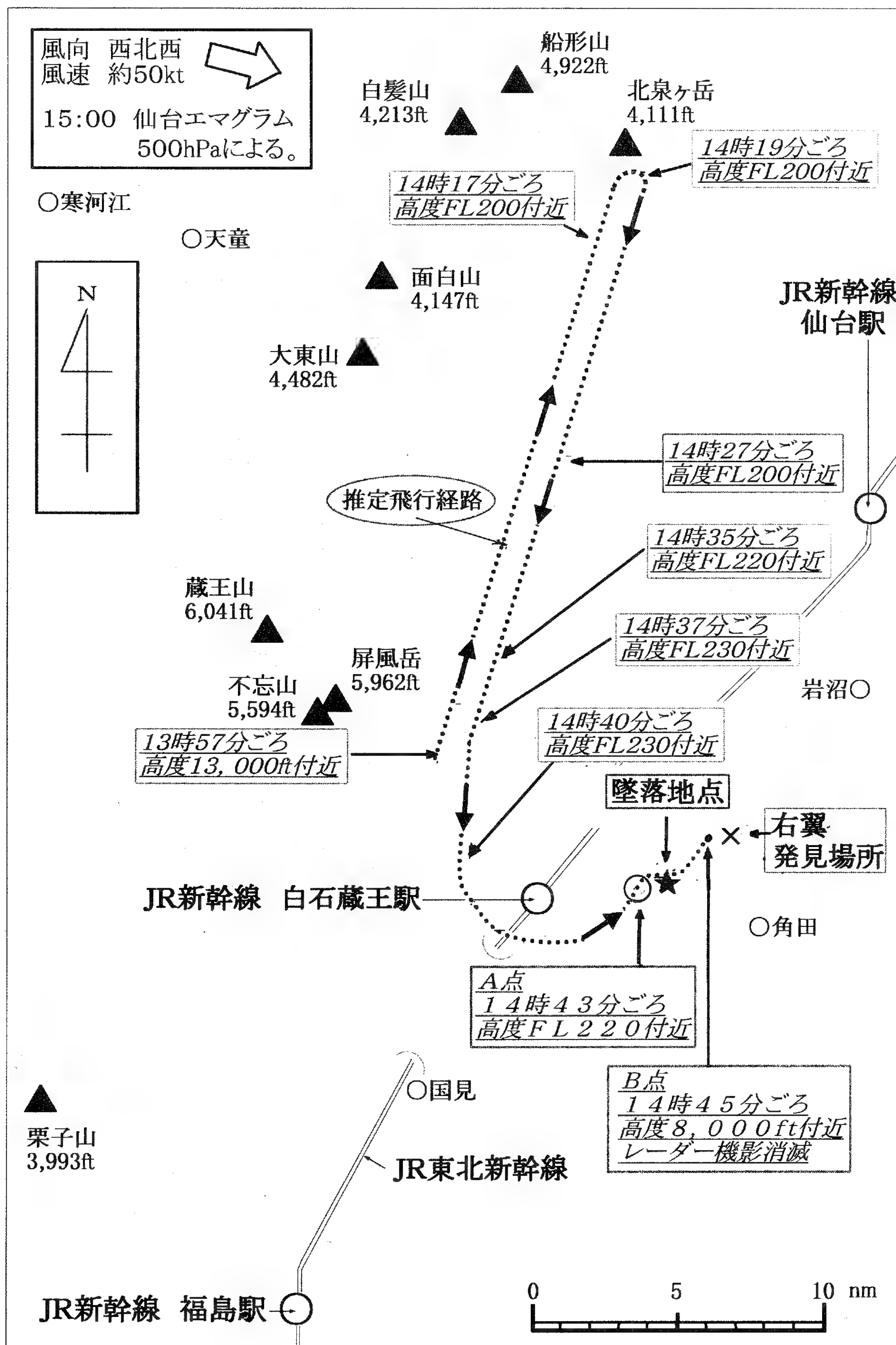
km/h

[illegible]

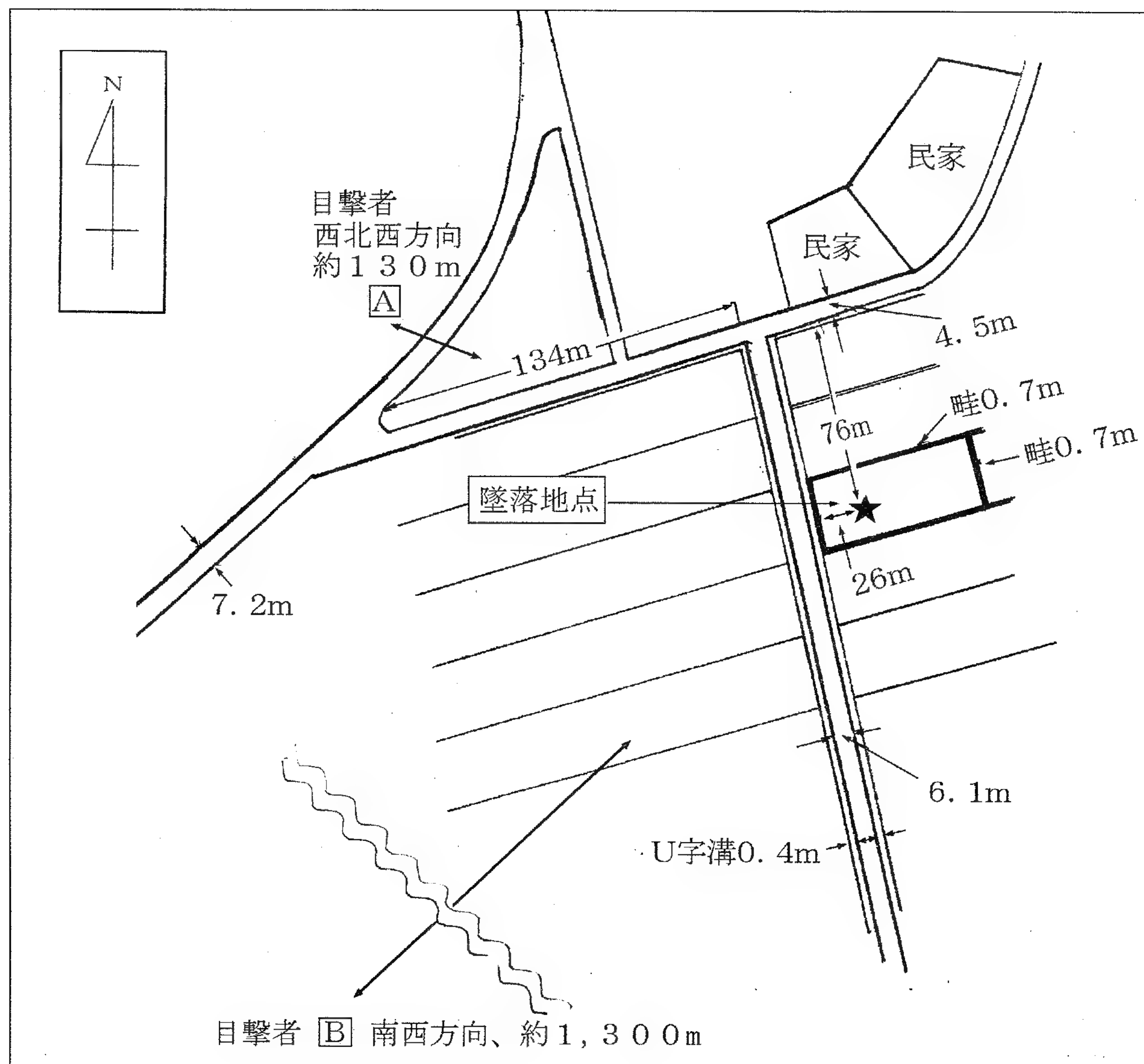
付図１　推定飛行経路図


N
北泉ヶ岳
拡大図　付図1-2
山形VOR/DME
蔵王山田VOR
蔵王山
仙台VOR/DME
白石
角田
吾妻山
推定飛行経路
磐梯山
安達太良山
福島VOR/DME
那須岳
高原山
那須VOR/DME
大子VOR/DME
50nm
40
30
20
10
0
(社)日本操縦士協会
１／５０万 区分航空図を使用。

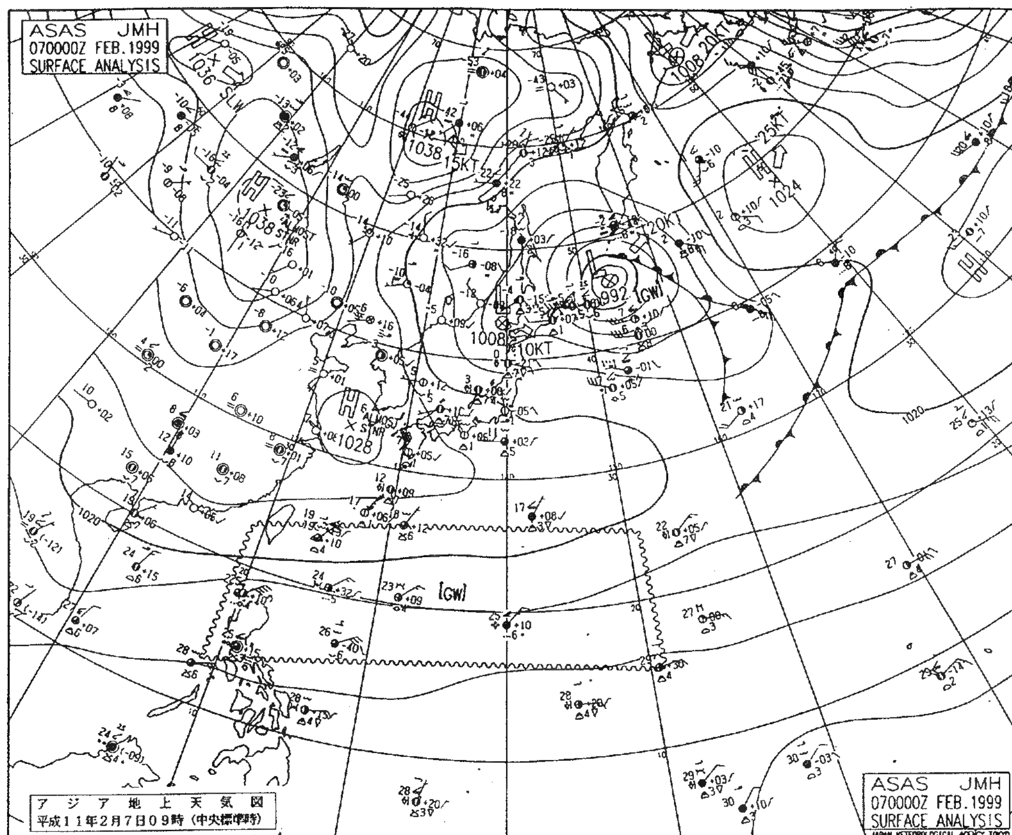
付図１－２　推定飛行経路図（拡大図）



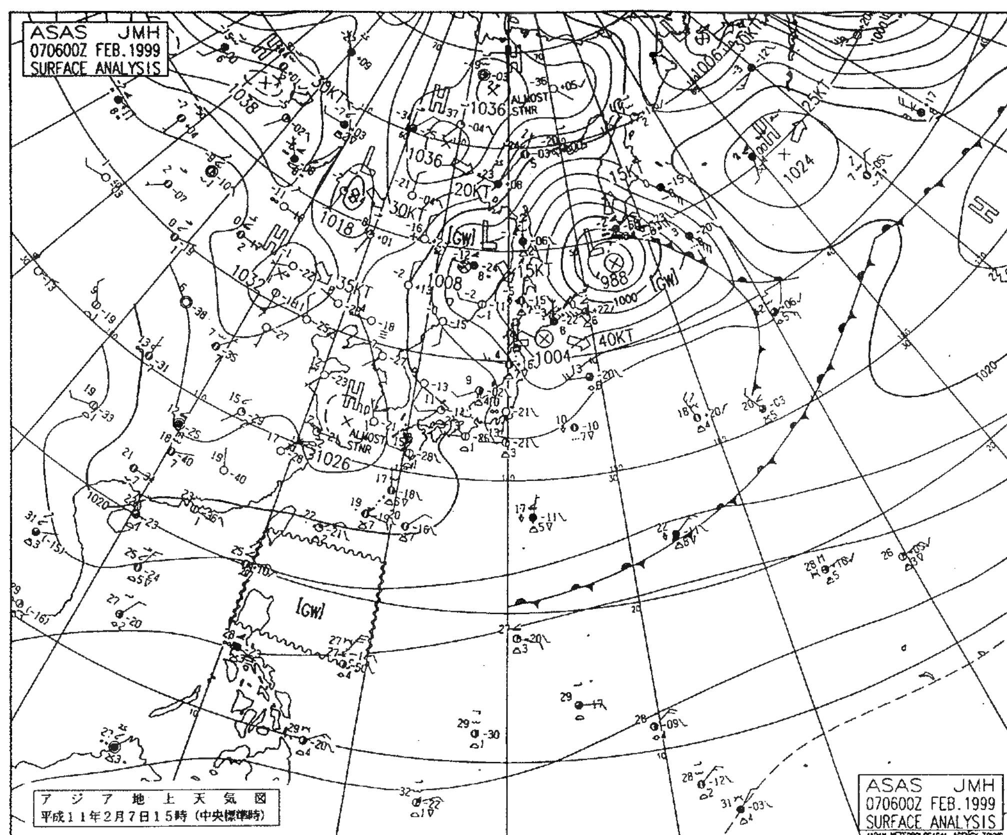
付図２　墜落地点見取図


N
民家
民家
目撃者
西北西方向
約１３０m
A
134m
4. 5m
76m
畦0. 7m
畦0. 7m
墜落地点
26m
7. 2m
6. 1m
U字溝0. 4m
目撃者 B 南西方向、約1，３００m

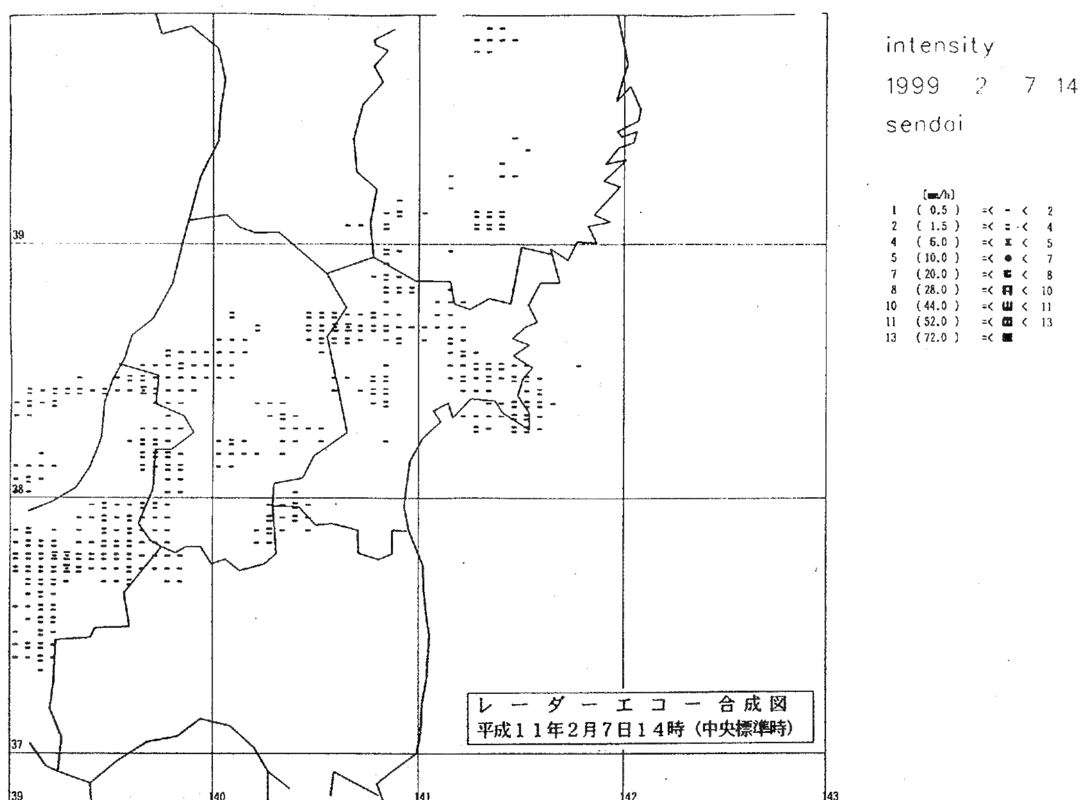
付図３　０９：００　アジア地上天気図



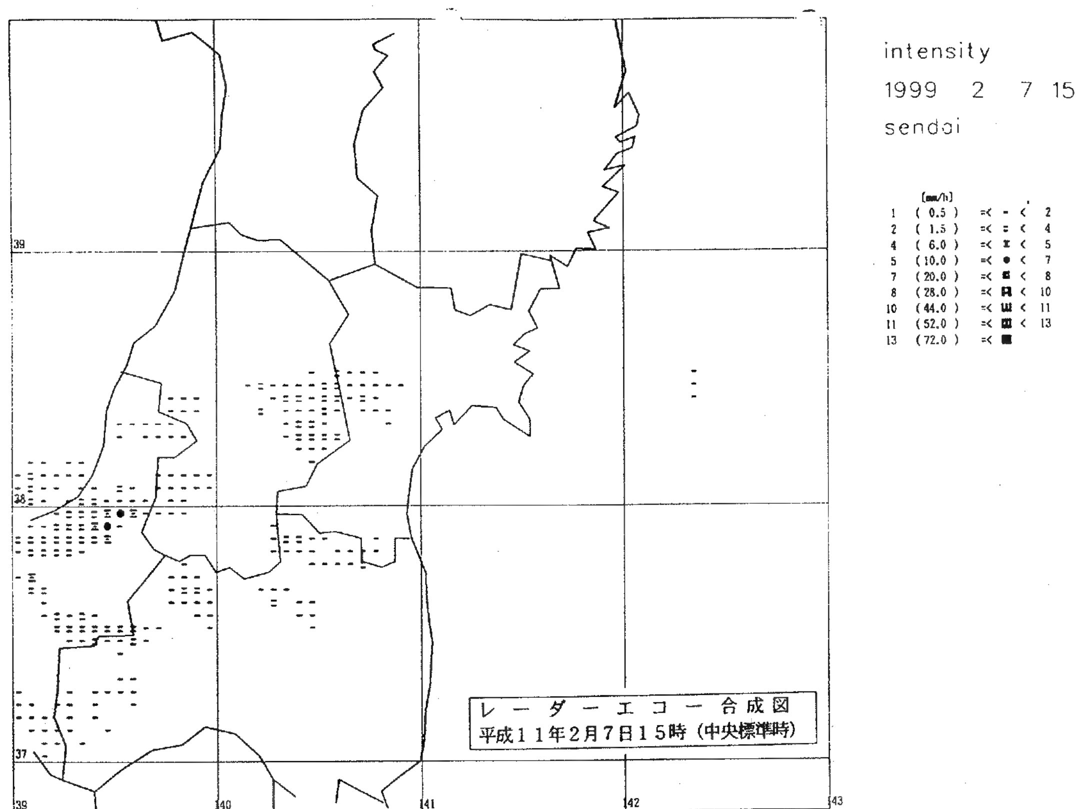
付図３－２　１５：００　アジア地上天気図



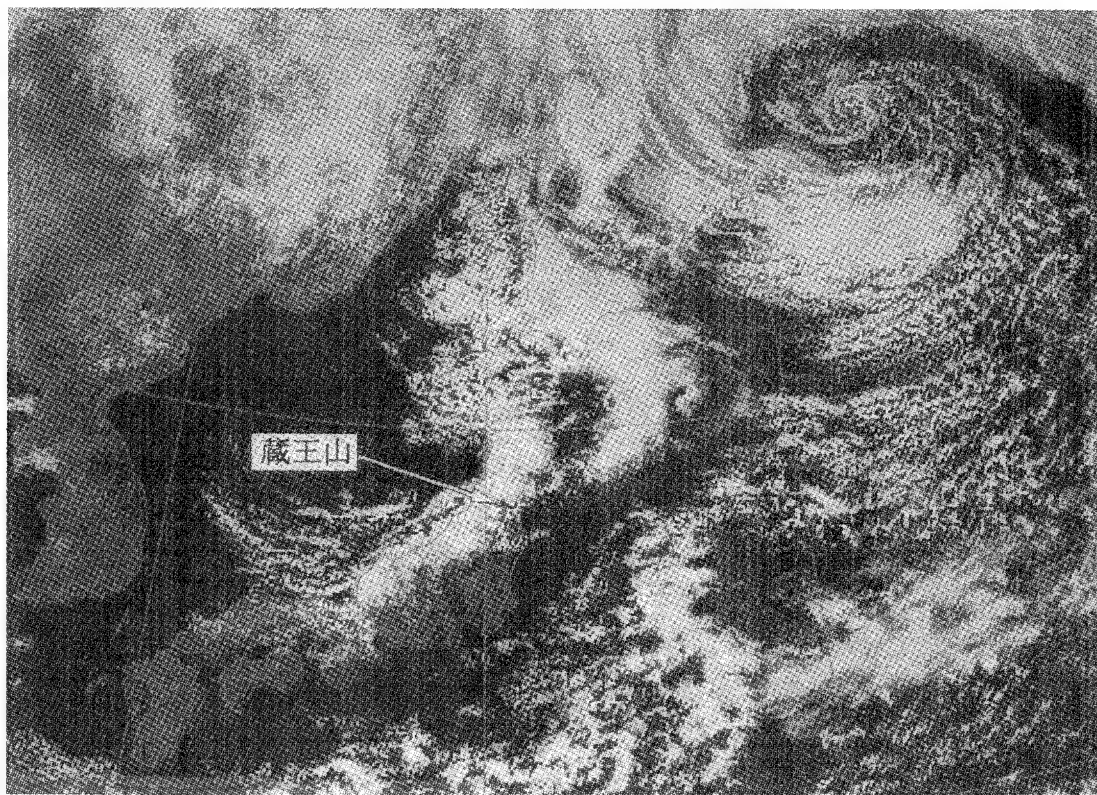
付図４　１４：００　レーダーエコー合成図



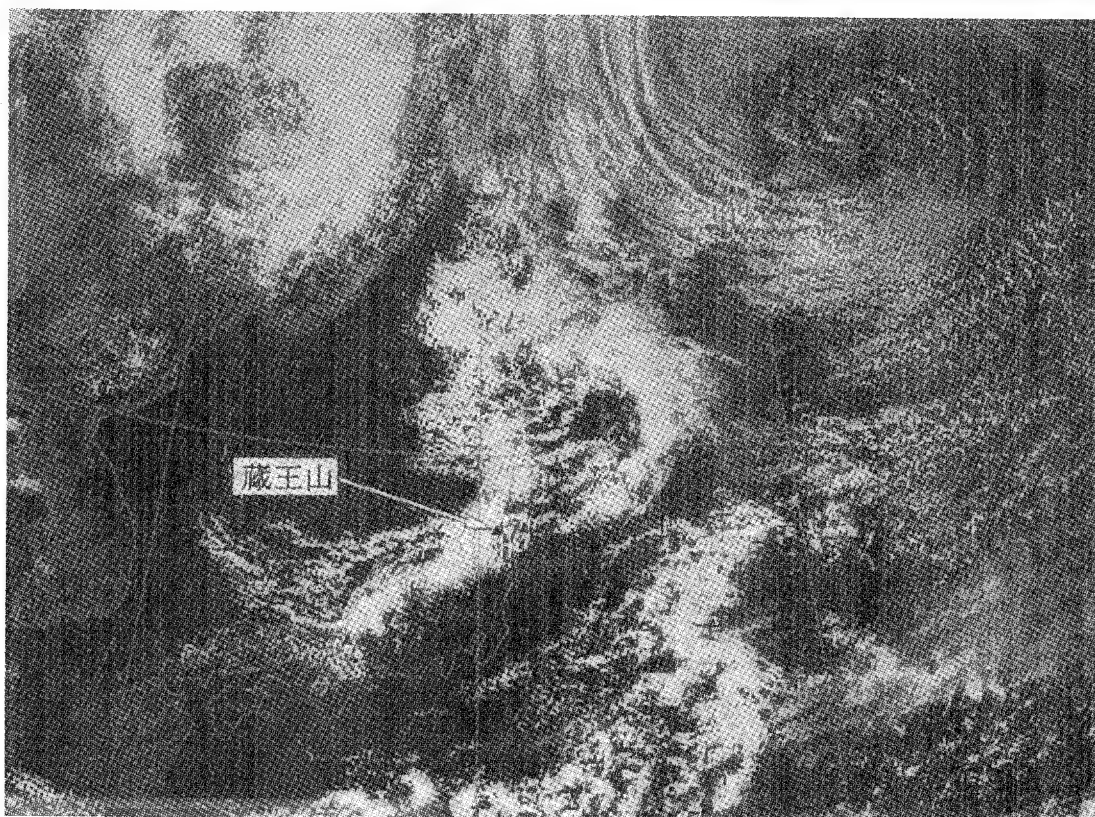
付図４－２
１５：００　レーダーエコー合成図



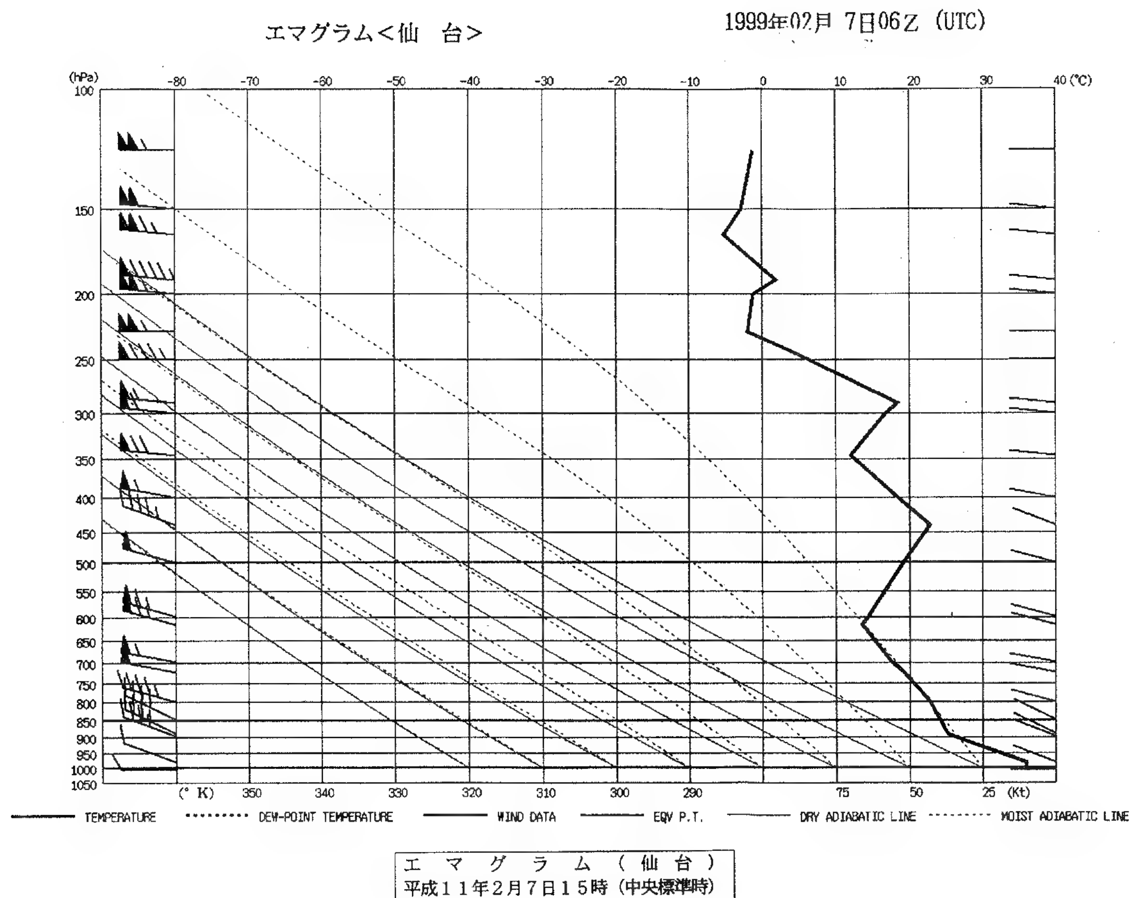
付図５　１４：００　気象衛星雲画像



付図５－２　１５：００　気象衛星雲画像

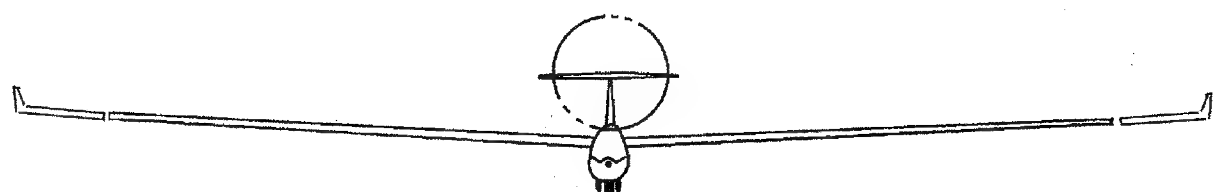


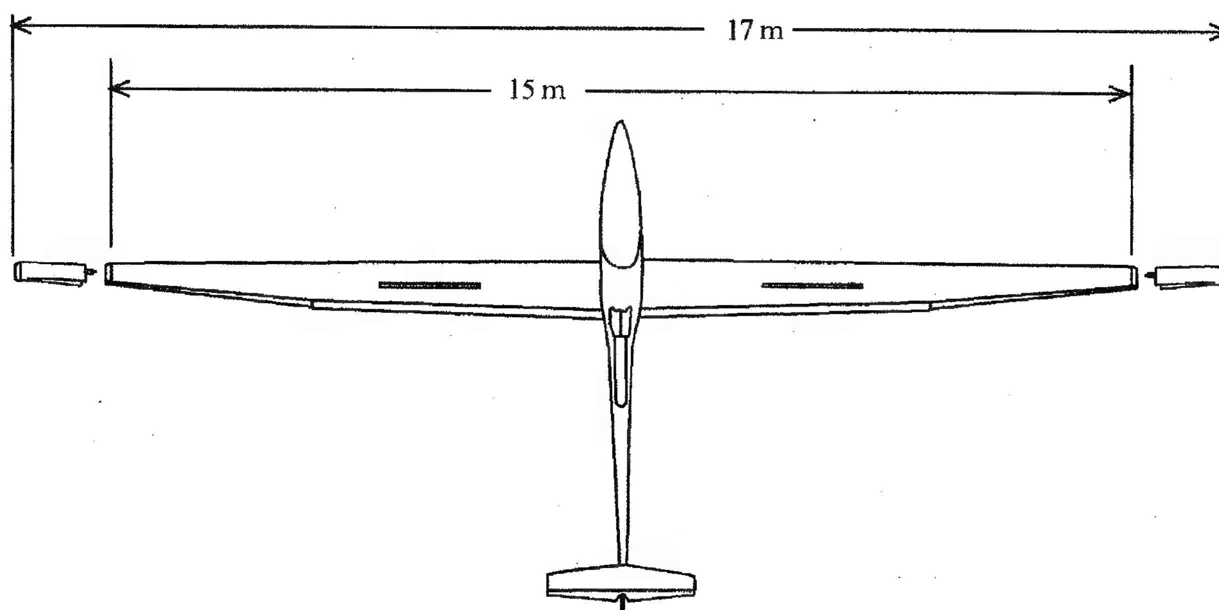
付図６　　１５：００　仙台エマグラム

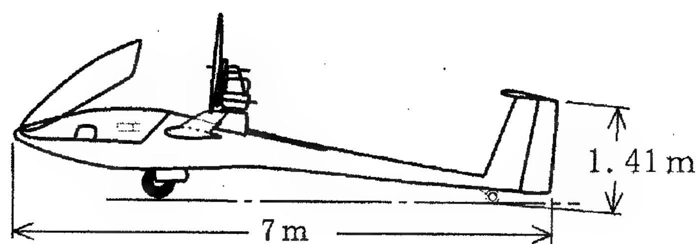


エ　マ　グ　ラ　ム　（　仙　台　）
平成１１年２月７日１５時（中央標準時）

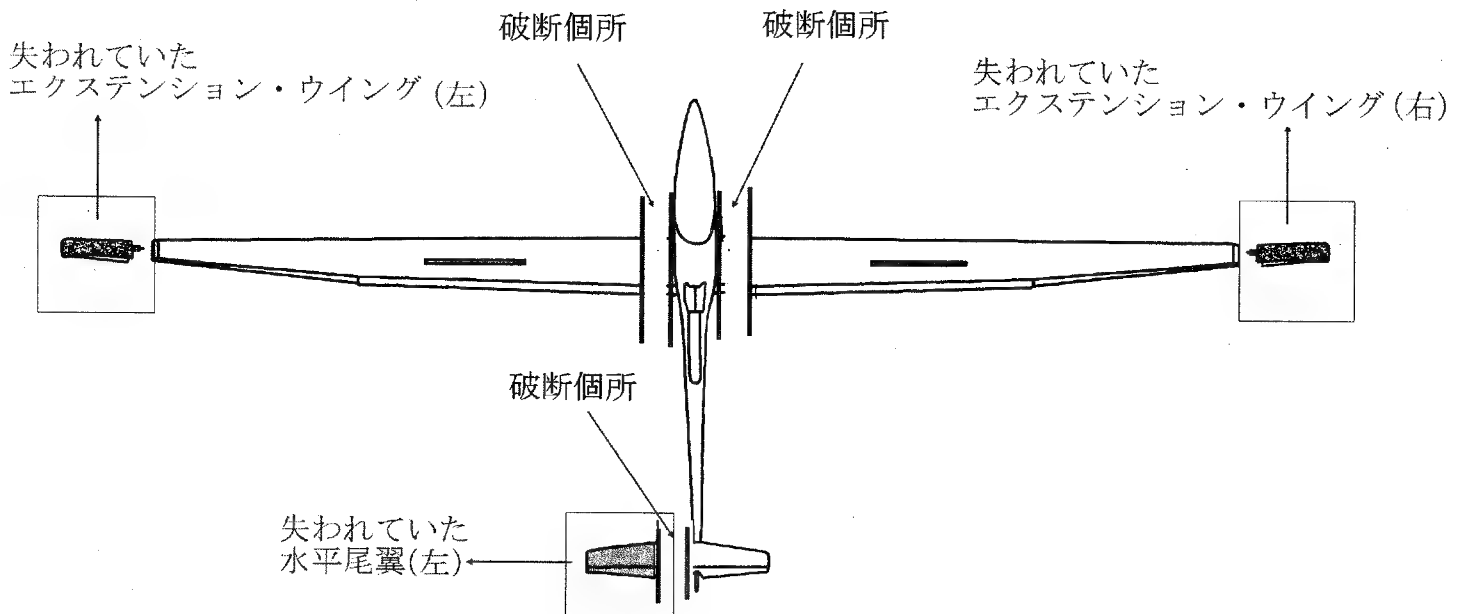
付図７　　グラザー・ディルクス式
ＤＧ－４００型三面図



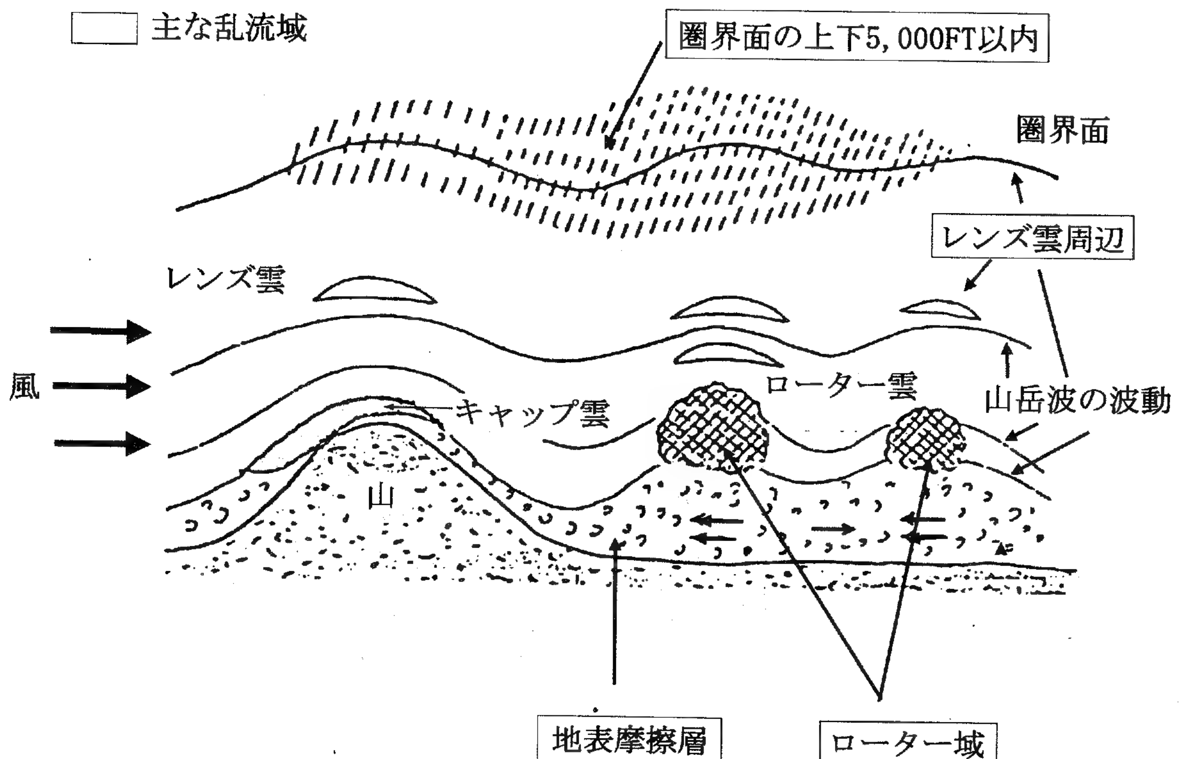




付図８　破断個所概要図



付図９　山岳波と乱流域



ＡＩＭ－Ｊ（日本操縦士協会発行）を使用。

写真１　事故機

↑
地上

地表面位置→

地下
↓

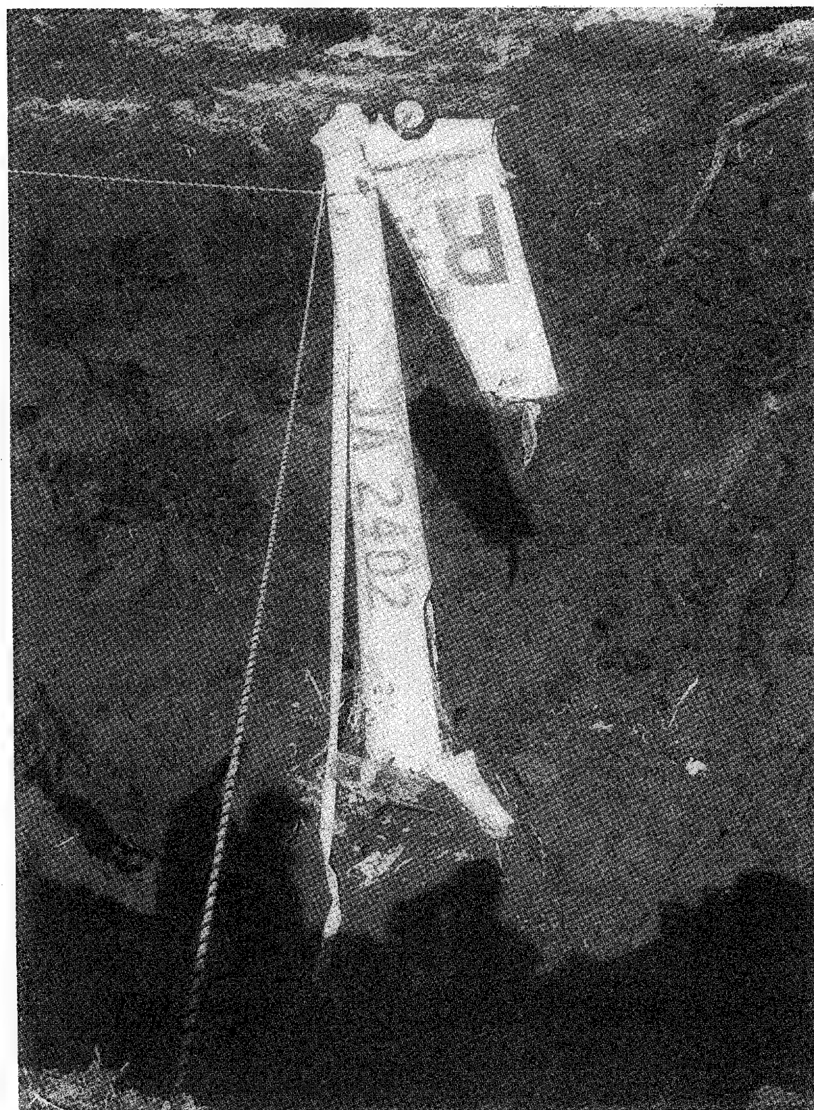


写真２　右主翼全体図

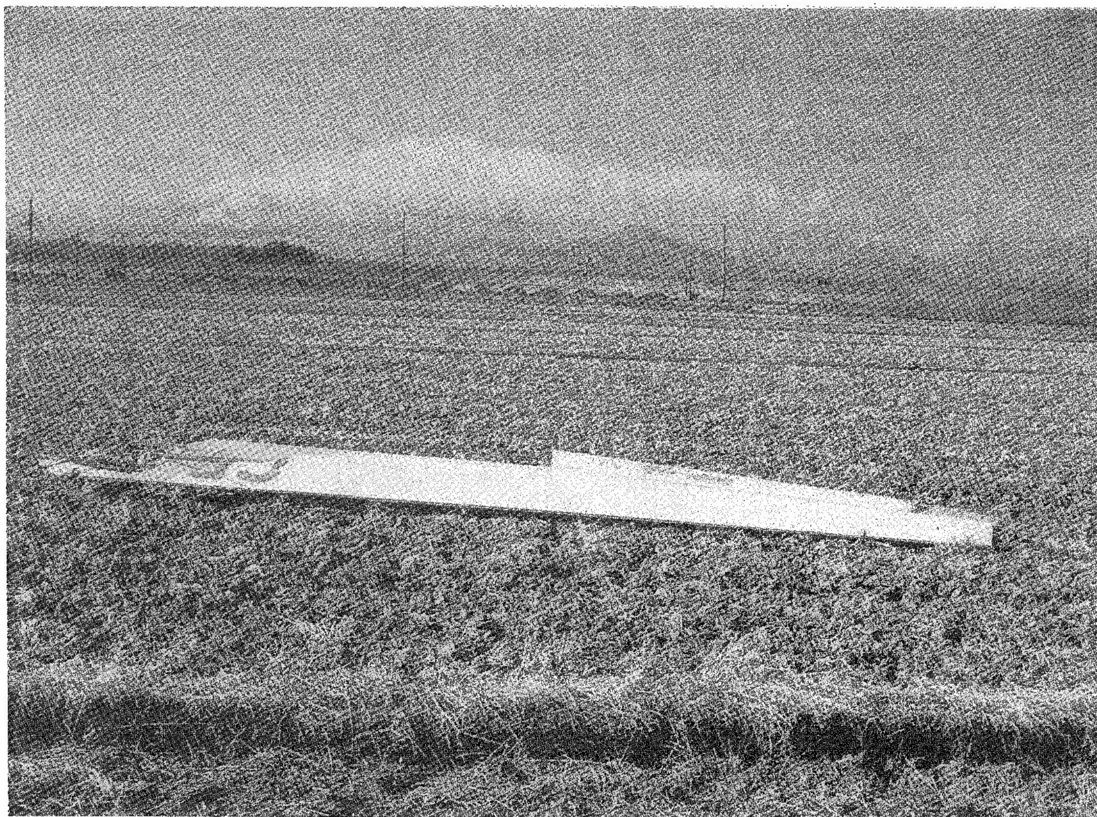


写真３　右主翼の破断部

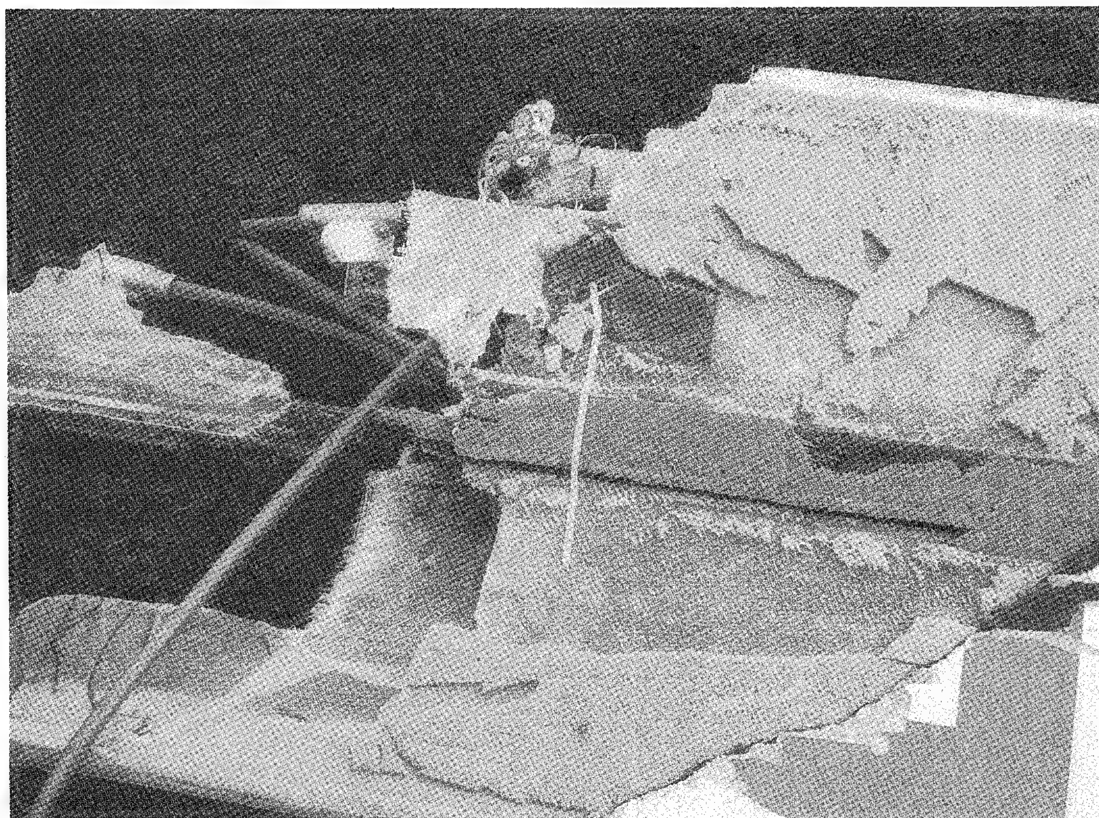


写真４　右主翼のフランジ・キャップ部

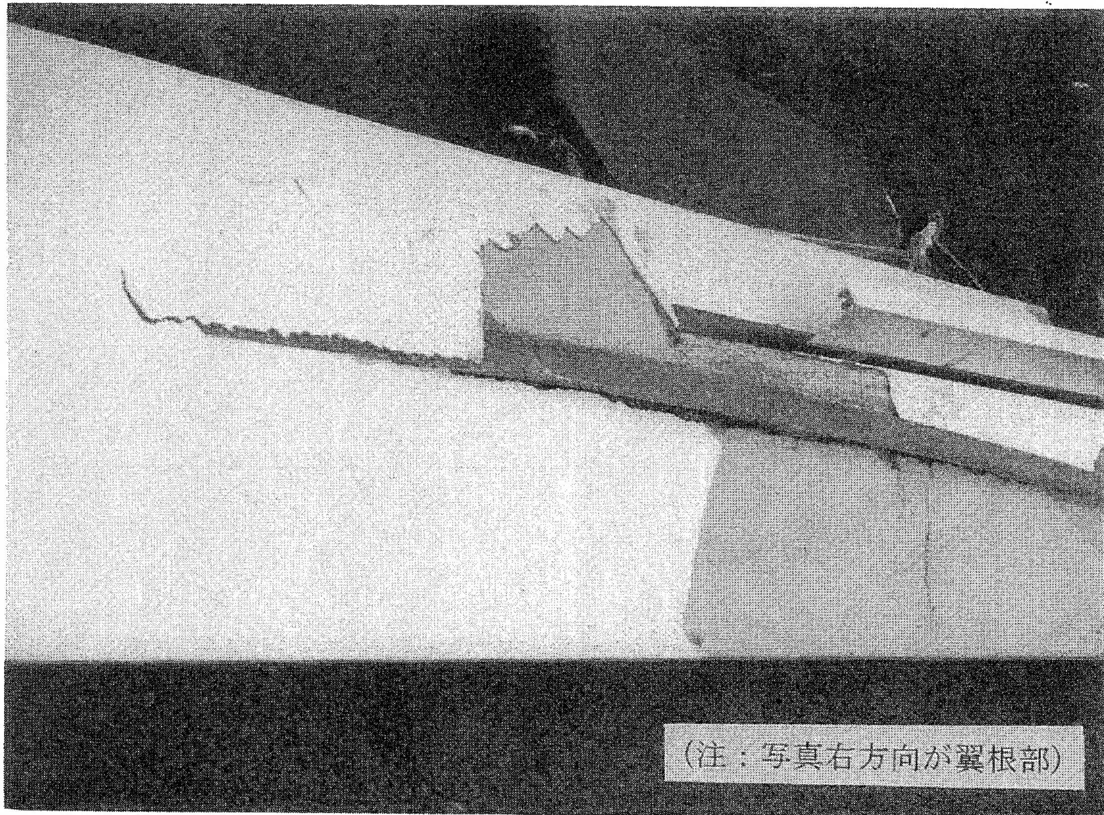


写真５　主桁のマイクロ・クラック

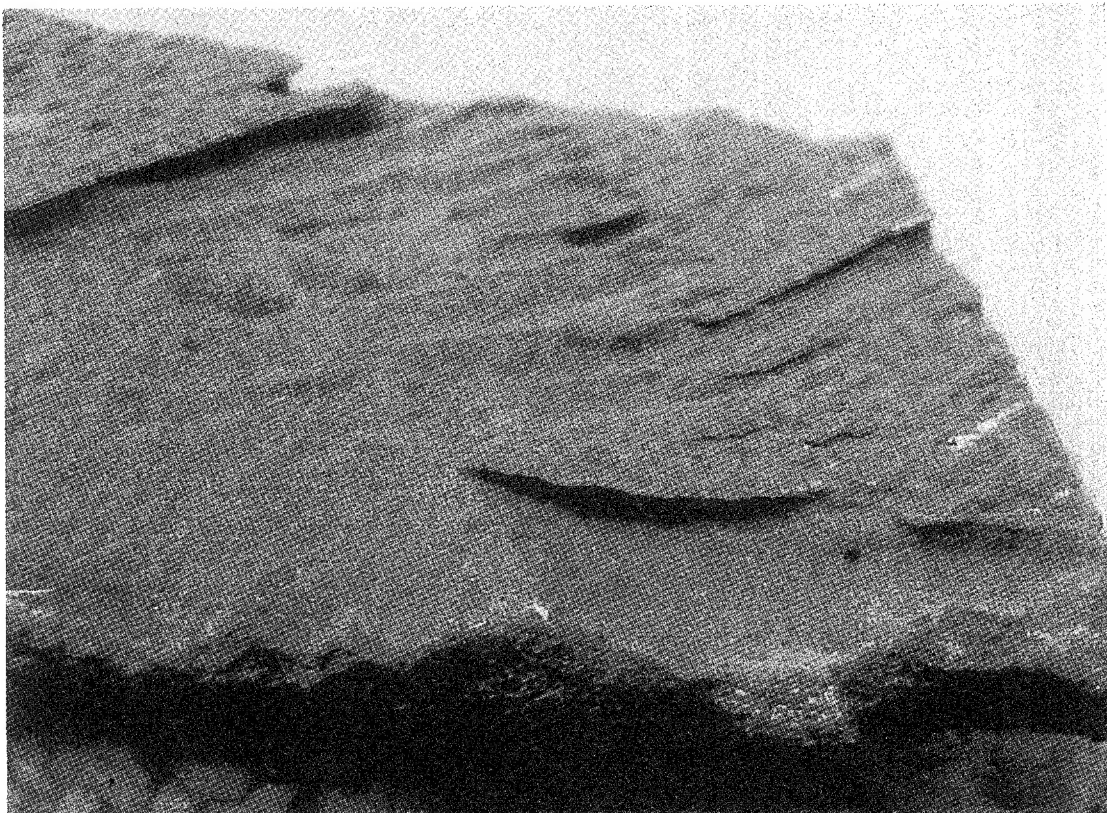


写真６　接着剥離を示すハックル

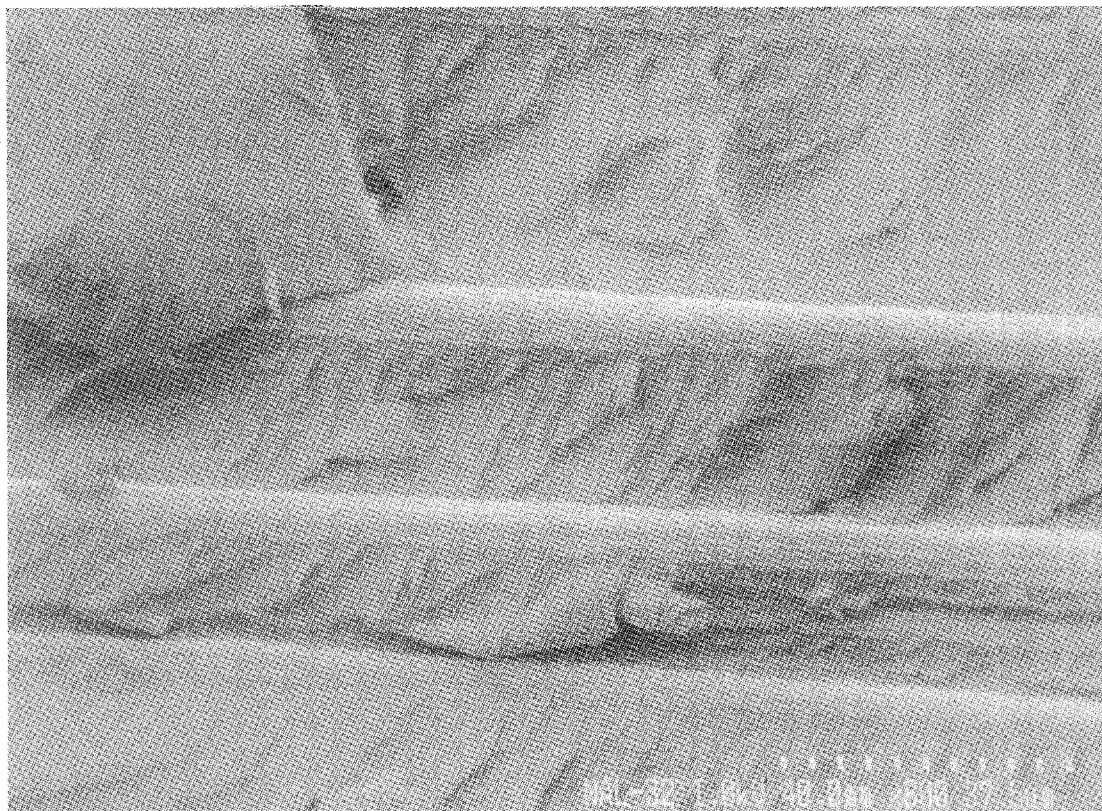


写真７　右主翼エルロン

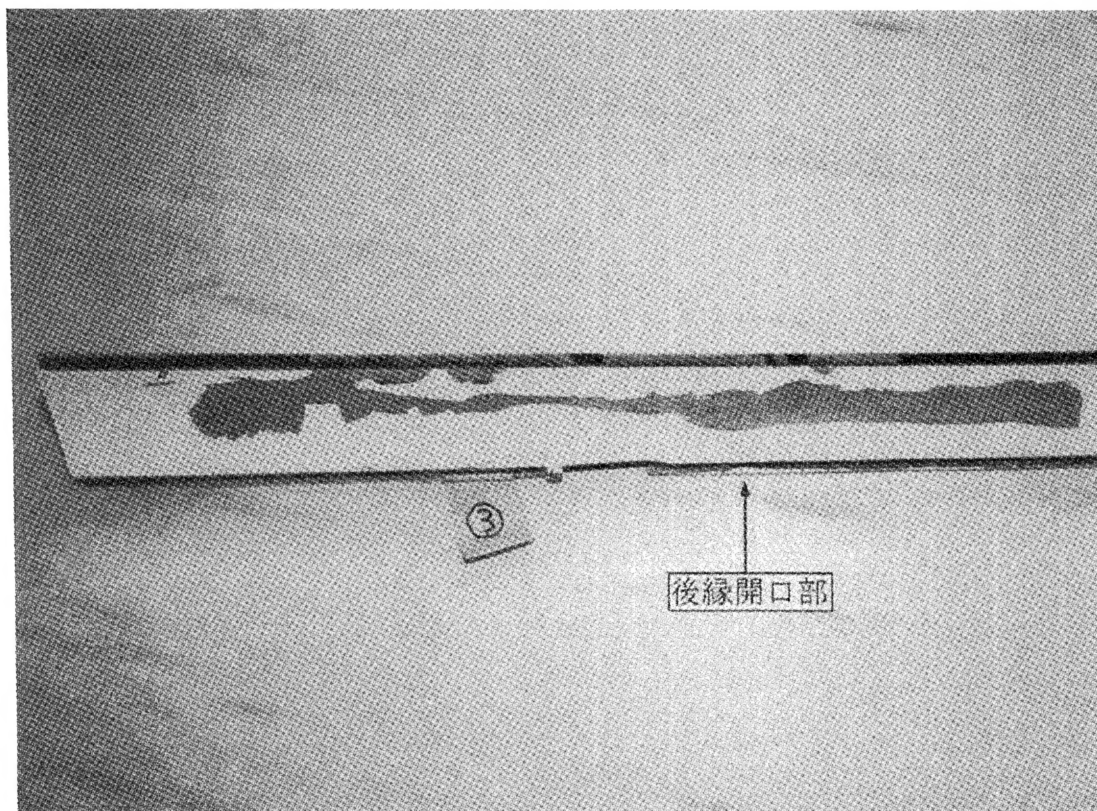


写真８　右主翼の内面白化部分

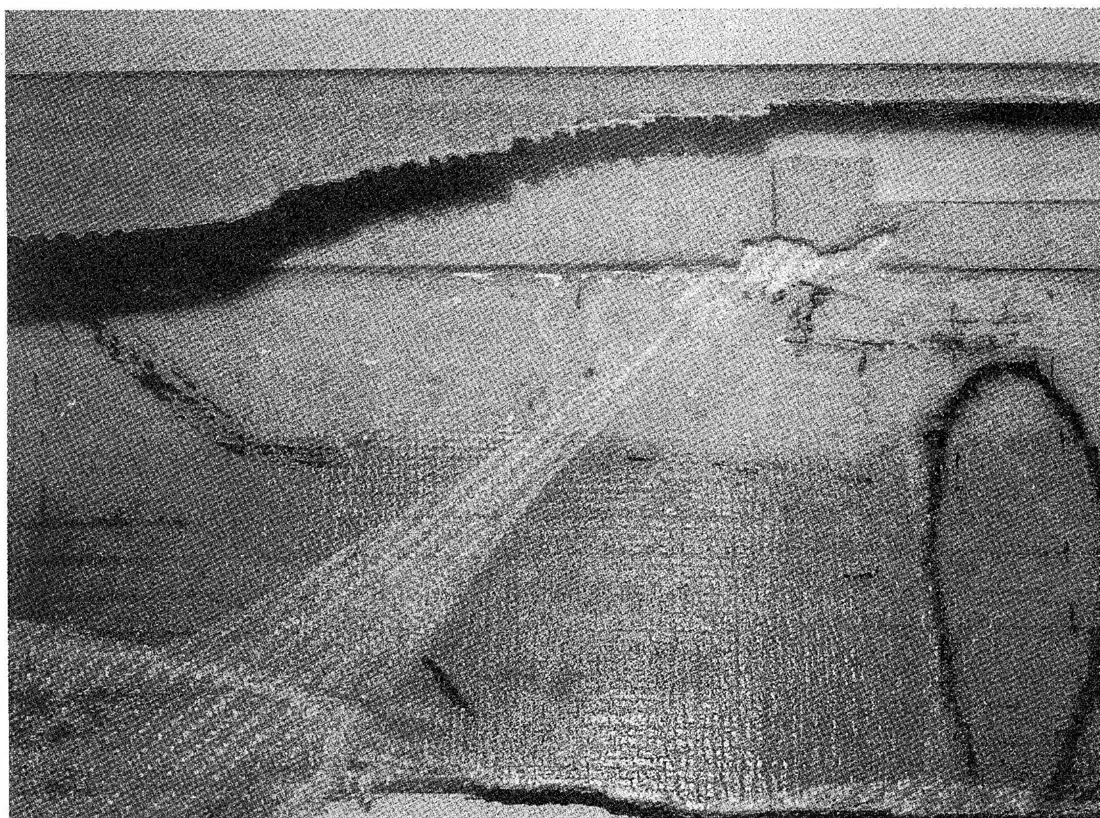


写真９　右主翼の破断部詳細

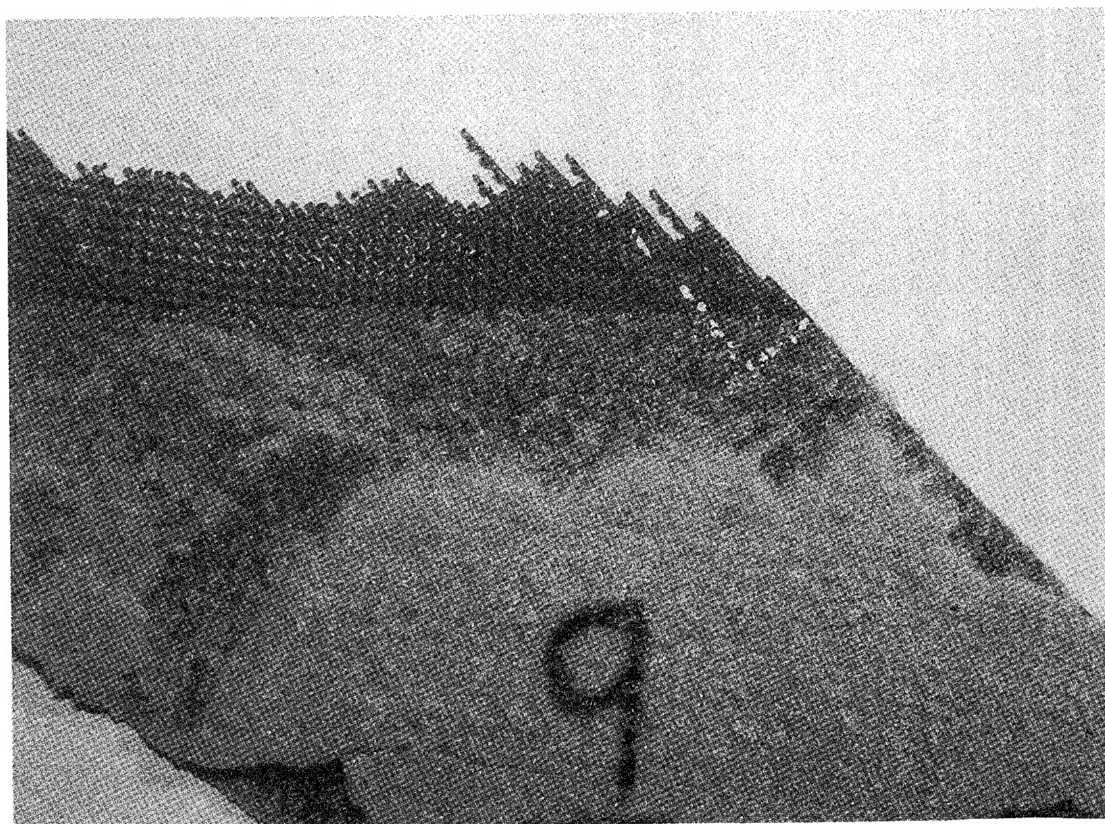
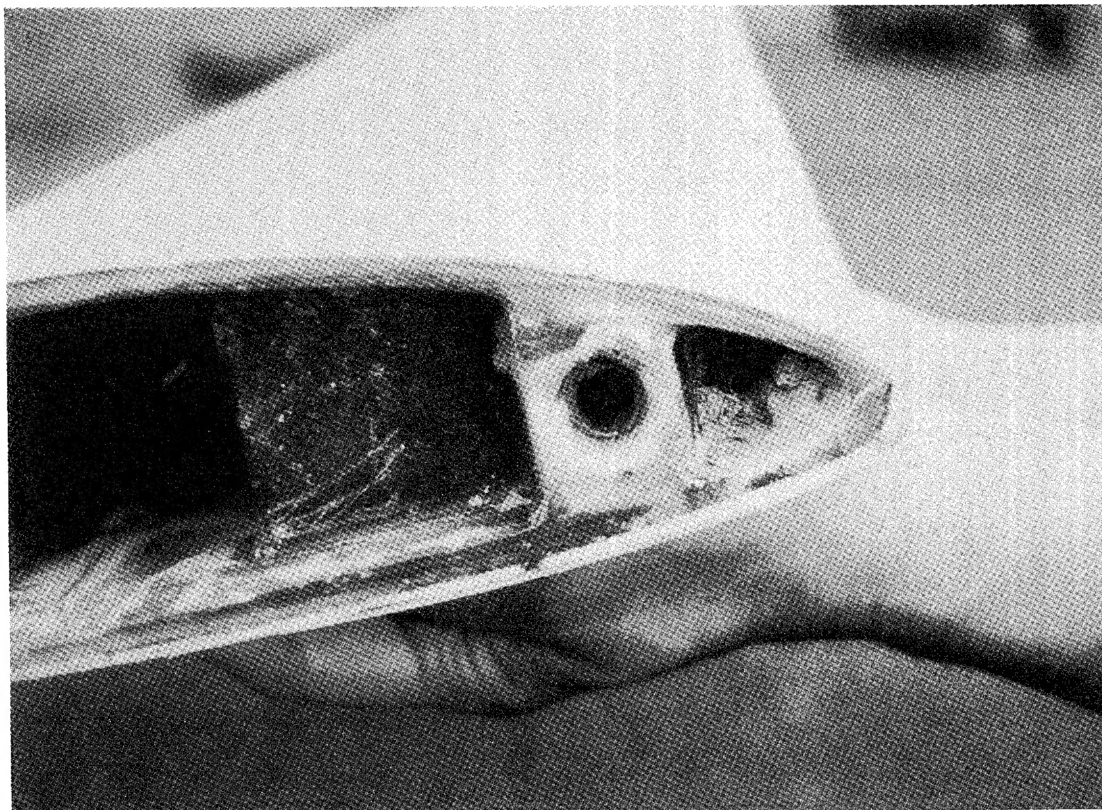


写真１０　右主翼前縁側ガイド・ピン受け



（余白）